



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/building](http://www.miamidade.gov/building)

## NOTICE OF ACCEPTANCE (NOA)

**Firestone Metal Products**  
**1001 Lund Boulevard**  
**Anoka, Minnesota 55303**

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: UNA-FOAM Wall Panel System

**APPROVAL DOCUMENT:** Drawing No. FSMP NOA, titled "UNA-FOAM ", sheets 1 & 2 of 2, prepared by Rice Engineering, dated February 14, 2012, signed and sealed by L. David Rice, P.E., on February 14, 2012 bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



*Helmy A. Makar*  
06/20/2013

NOA No. 13-0219.05  
Expiration Date: 03/06/2018  
Approval Date: 06/20/2013  
Page 1

**Firestone Metal Products**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 11-1005.06**

**A. DRAWINGS**

1. *Drawing No. FSMP NOA, titled " UNA-FOAM ", sheets 1 & 2 of 2, prepared by Rice Engineering, dated February 14, 2012, signed and sealed by L. David Rice, P.E., on February 14, 2012.*

**B. TESTS**

1. *See File # 11-1013.02.*

**C. CALCULATIONS**

1. *See File # 11-1013.02.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

**E. MATERIAL CERTIFICATIONS**

1. *See File # 11-1013.02.*

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. FSMP NOA, titled " UNA-FOAM ", sheets 1 & 2 of 2, prepared by Rice Engineering, dated February 14, 2012, signed and sealed by L. David Rice, P.E., on February 14, 2012.*

**B. TESTS**

1. *See File # 13-0212.06.*

**C. CALCULATIONS**


1. *See File # 13-0212.06.*

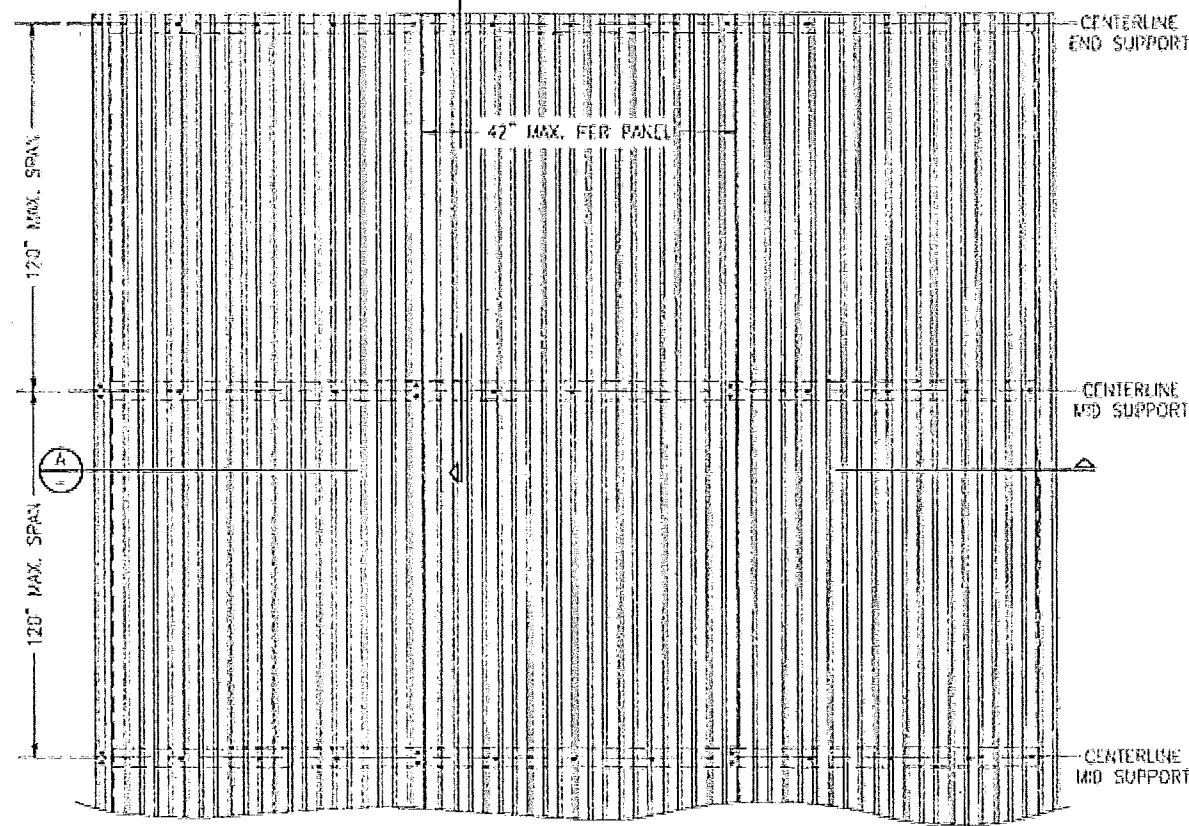
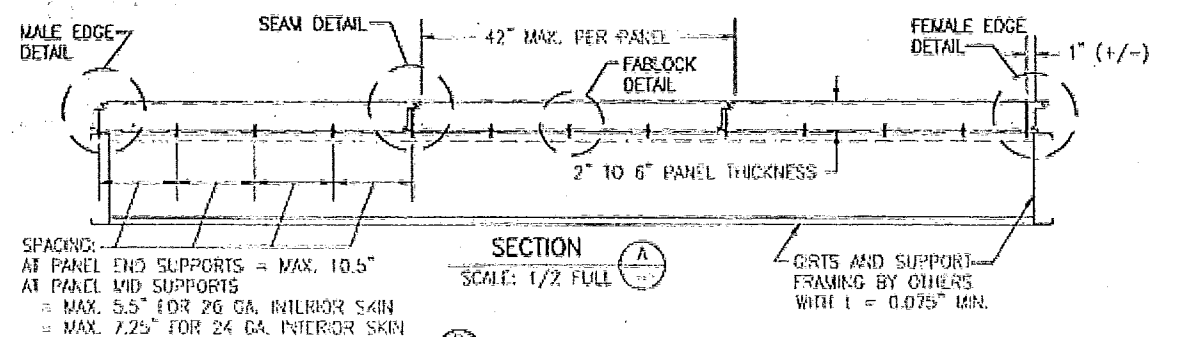
**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

**E. MATERIAL CERTIFICATIONS**

1. *See File # 13-0212.06.*

  
\_\_\_\_\_  
**Helmy A. Makar, P.E., M.S.**  
**Product Control Unit Supervisor**  
**NOA No. 13-0219.05**  
**Expiration Date: 03/06/2018**  
**Approval Date: 06/20/2013**

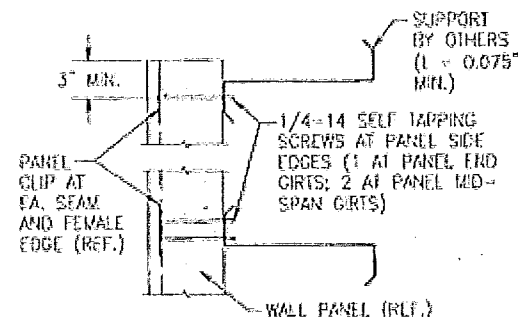


TYPICAL EXTERIOR WALL ELEVATION

PRODUCT APPROVAL IS LIMITED TO THE WALL PANEL & ITS CONNECTING CLIPS. THE STRUCTURAL ADEQUACY OF ALL OTHER STRUCTURAL ITEMS (BEAMS, COLUMNS, PURLINS, TIE-RODS, CONNECTIONS OF STRUCTURE, ETC.) SHALL BE VERIFIED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT. THE WALL PANELS SHALL NOT BE DESIGNED TO ACT AS A DIAPHRAGM.

#### GENERAL NOTES:

1. THIS STRUCTURAL WALL PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2010 FPD/2010 BUILDING CODE (F.B.C.).
2. ALL WALL PANELS ARE MAX 42" WIDE, CONSIST OF EXTERIOR 26 GA. (t = 0.019" MIN.) AND INTERIOR 26 GA. (t = 0.019" MIN.) OR 24 GA. (t = 0.0254" MIN.) G-90 CLAD STEEL SKINS (F<sub>y</sub> = MIN. 33 KSI) COATED WITH AN EMBOSSED & PAINTED OR TUFF (SILICO-LIKE) FINISH & ARE FOAM FILLED WITH FOAM-IN-PLACE NON-CYC 2.0 LB/CU. FT. DENSITY POLYURETHANE.
3. THE WALL PANELS SHALL BE INSTALLED OVER WALL STRUCTURE AS SPECIFIED ON THESE DRAWINGS.
4. THE WALL PANELS MUST BE INSTALLED OVER MIN. 2 SUPPORT SPANS. HORIZONTAL SEAMS MAY BE PRESENT AT CENTERLINE OF SUPPORTING GIRTS PROVIDING THE SEAMS ARE FLASHED & PROPERLY SEALED PER FIRESONE SPECIFICATIONS AND EACH PANEL END IS SECURED PER THESE DRAWINGS.
5. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE WIND LOADS SPECIFIED ON THIS DRAWING.
6. THIS WALL PANEL SYSTEM HAS BEEN TESTED AS AN IMPACT SYSTEM IN ACCORDANCE WITH PROTOCOLS TAS-201, 202 & 203.
7. WALL PANEL MANUFACTURER'S PERMANENT LABEL SHALL BE PLACED AT THE END OF EACH PANEL RUN AND SHALL READ: FIRESONE METAL PRODUCTS - UNA-FOAM LEXINGTON, TEXAS DADE COUNTY PRODUCT CONTROL APPROVED
8. ALL SCREWS SHALL BE CORROSION RESISTANT SELF TAPPING SCREWS.
9. THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 14 GAGE (MIN. 0.075") STEEL WITH MIN. F<sub>y</sub> = 33 KSI.
10. THESE WALL PANELS SHALL NOT BE CONSIDERED TO OR BE USED FOR TRANSFER OF DIAPHRAGM ACTION OF WALL TO SUPPORTING STRUCTURE.



SECTION B  
SCALE: 1/2 FULL

#### ALLOWABLE PRESSURE (2 OR MORE SPANS PER PANEL)

SPAN (IN.)	ALLOWABLE PRESSURE	
	POSITIVE (PSF)	NEGATIVE (PSF)
48	70.0	90.0
54	67.1	80.0
60	64.2	72.0
66	61.2	65.5
72	58.3	60.0
78	55.8	55.4
84	50.0	51.4
90	46.7	48.0
96	43.8	45.0
102	41.2	42.4
108	38.9	40.0
114	36.8	37.9
120	35.0	35.0

#### ALLOWABLE PRESSURE (SINGLE SPAN PANELS)

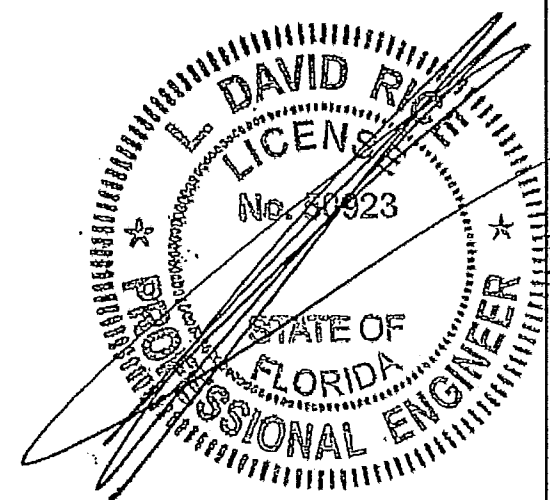
SPAN (IN.)	ALLOWABLE PRESSURE	
	POSITIVE (PSF)	NEGATIVE (PSF)
48	64.6	76.7
54	45.4	53.9
60	33.1	39.3
66	24.9	29.5
72	19.2	22.7

**RICE**  
**ENGINEERING**

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0219.05  
Expiration Date 03/06/2018  
By Heidi A. McArthur  
Miami Dade Product Control

105 School Creek Trail  
Luxemburg, WI 54217  
Phone: 920.845.1042  
Fax: 920.845.1048  
www.rice-inc.com

Florida Firm No: F-01000005061  
Certificate of Authorization: #9090  
L. David Rice  
Registration No: 50923



FEB 14 2012

SUBMITTAL NUMBER:

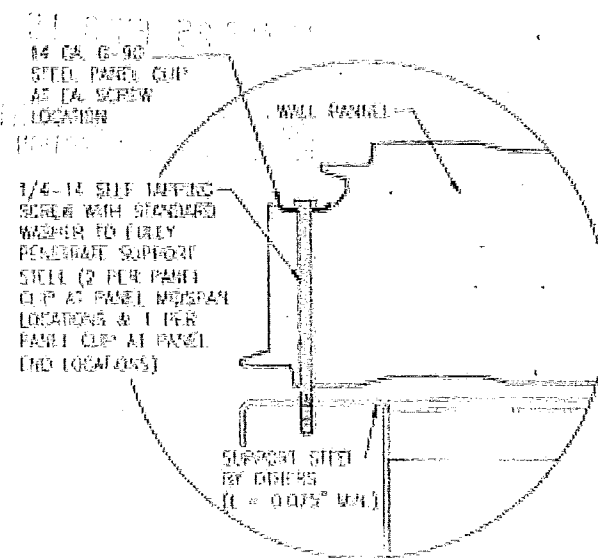
NO.	DATE	BY	DESCRIPTION OF REVISIONS

**Firestone**  
METAL PRODUCTS

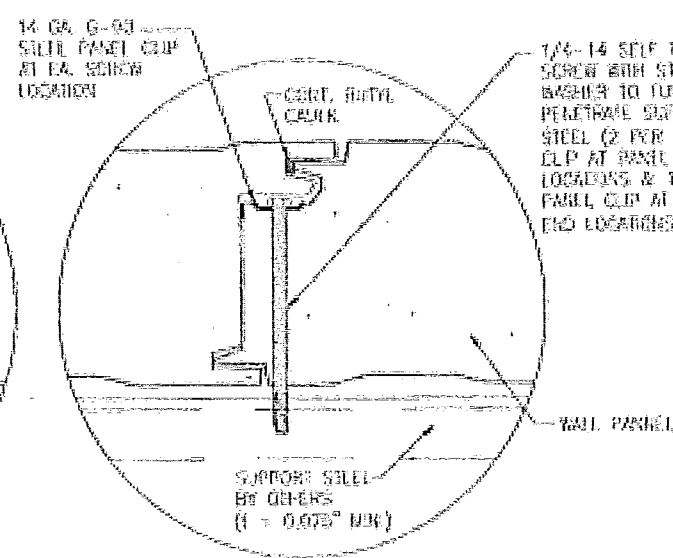
**UNA-CLAD**

NATIONWIDE 1-800-428-7737 LOCAL (783) 578-0595  
Copyright © by Firestone Metal Products / UNA-CLAD

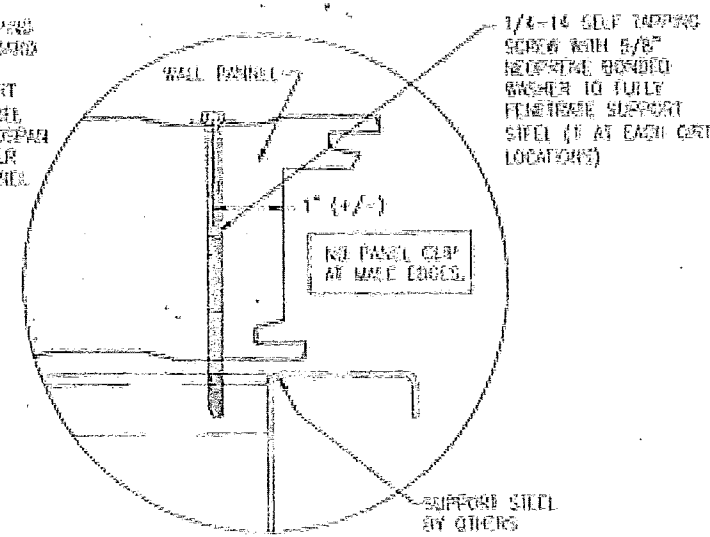
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FAB NUMBER:	RELEASE:
MATERIAL: UNA-FOAM	DATE: 2-14-2012
THICKNESS:	DRAWING NO.
FINISH:	PRE: <input type="checkbox"/> POST: <input type="checkbox"/> PAGE NO. 1 OF 2



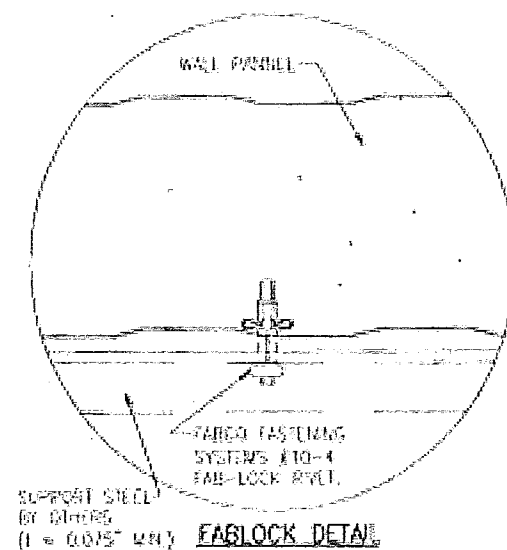
MALE EDGE DETAIL



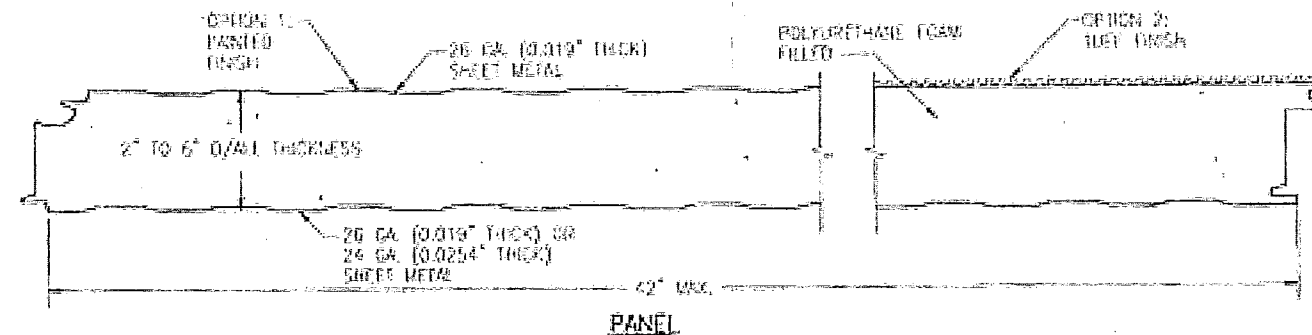
SEAM DETAIL



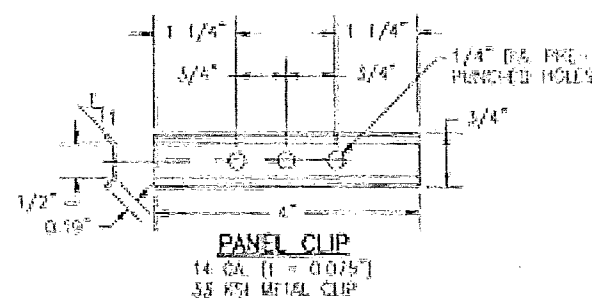
FEMALE EDGE DETAIL



FABLOCK DETAIL



PANEL



PANEL CLIP  
14 GA. (t = 0.075\")  
35 KSI METAL CLIP

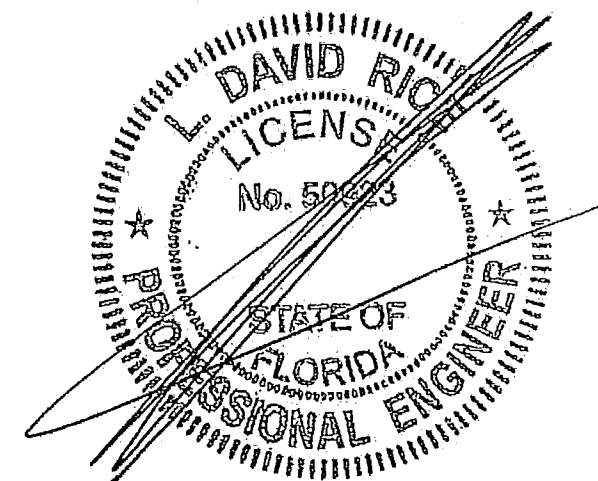
## RICE ENGINEERING

105 School Creek Trail  
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Phone: 920.845.1042  
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By *Healy A. Miller*  
Miami Dade Product Control

Florida Firm No: F-0100005061  
Certificate of Authorization: #9090  
L. David Rice  
Registration No: 50923



FEB 14 2012

SUBMITTAL NUMBER:

NO.	DATE	BY	DESCRIPTION OF REVISIONS
1			
2			
3			

**Firestone**

METAL PRODUCTS

**UNA-CLAD**

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CUSTOMER: FSMP NOA

FAB NUMBER:

MATERIAL: UNA-FOAM

THICKNESS:

FINISH:

RELEASE:

DRAWING NO.

PAGE NO. 2 OF 2